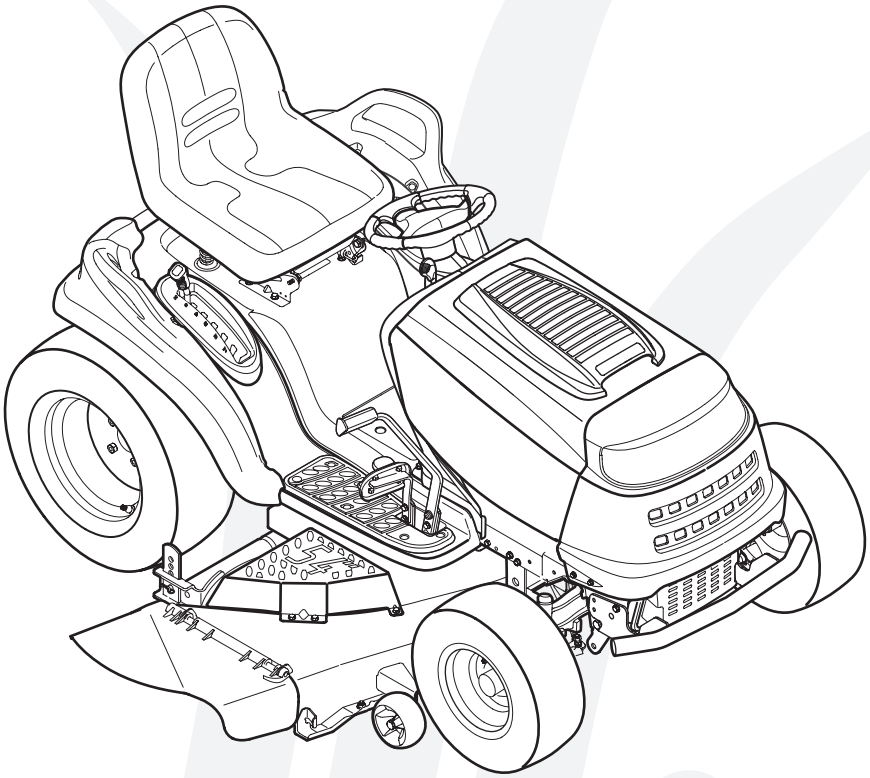
ILLUSTRATED PARTS MANUAL



Hydrostatic Garden Tractor — Model Series 810

IMPORTANT

READ SAFETY RULES AND INSTRUCTIONS CAREFULLY BEFORE OPERATION

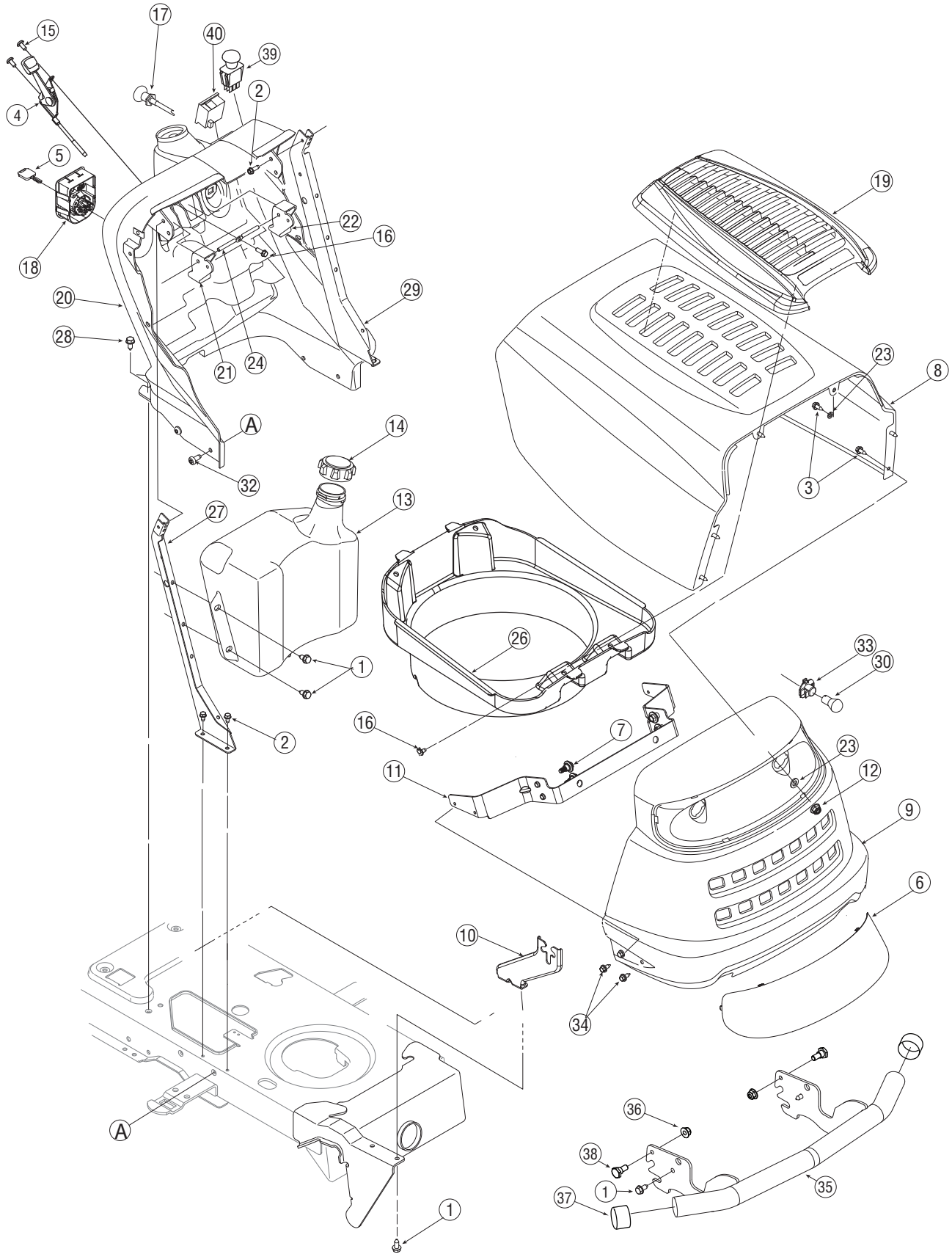
Warning: This unit is equipped with an internal combustion engine and should not be used on or near any uniiproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service dealer or contact the service department, P.O. Box 361131 Cleveland, Ohio 44136-0019.

PRINTED IN U.S.A

MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

FORM NO. 769-03030
02/22/2007

Model Series 810



Ref. No.	Part No.	Description
1	710-0726	Screw, 5/16-12 x .750
2	710-0599	Self-tapping Screw, 1/4-20 x.5
3	710-0751	Hex Cap Screw, 1/4-20 x.62
4	746-04365	Throttle Control/Cable
5	725-1745	Ignition Key w/ plastic cover
	725-1744	Ignition Key w/o plastic cover
6	731-04949	Headlight Lens
7	738-04091	Shoulder Screw,.43 x.29
8	783-04551	Hood, 1 Style
9	783-04552	Grill, 1 Style
10	783-04578	Pivot Bracket - RH
	783-04577*	Pivot Bracket - LH
11	783-04621	Grill Pivot Bracket
12	712-04064	Flange Lock Nut, 1/4-20
13	751-0659D	Fuel Tank, Two Gallon
	751-0658E	Fuel Tank, Three Gallon
14	751-0603	Fuel Cap
15	710-1017	Screw, 1/4-14 x.625
16	710-0895	Self-tapping Screw, 1/4-15 x.75
17	746-1085A	Choke Control Cable
18	725-04227B	Ignition Switch
19	731-05522	Hood Cover, 5 Style
20	731-05005B	Dash Panel
21	731-04215	Cruise Control Button
22	731-04217	Parking Brake Button

Ref. No.	Part No.	Description
23	736-0176	Flat Washer, .265 x .938 x 1.20
24	747-1196	Brake/Cruise Pivot Rod
25	629-04083A*	Headlight Wire Harness
26	731-05165A	Plenum
27	783-04285E	RH Dash Support Plate
28	710-0607	Screw, 5/16-18 x .500
29	783-04323D	LH Dash Support Plate
30	725-0963	Lamp
31	736-0270	Bell Washer,.265 x.75 x.062
32	710-1611B	Screw, 5/16-18 x.75
33	725-1649	Headlight Socket
34	710-1652	Hex Index Screw, 1/4-20 x.625
35	683-04219A	Bumper Assembly
36	712-04065	Flange Lock Nut, 3/8-16
37	731-05674	Cap
38	738-0143	Shoulder Bolt, 3/8-16
39	725-1752	Electric PTO Switch
40	725-04036C	Systems Ind. Monitor w/Hr. Mtr.
	725-04156	Systems Ind. Monitor w/ Amtr.
—	725-04403*	Wire Harness (w/Hour Meter)
—	725-04404*	Wire Harness (w/Hour Meter & Electric PTO)
—	725-04411*	Wire Harness (w/Ammeter)
—	777X41984	Headlight Reflective Insert

* Not Shown

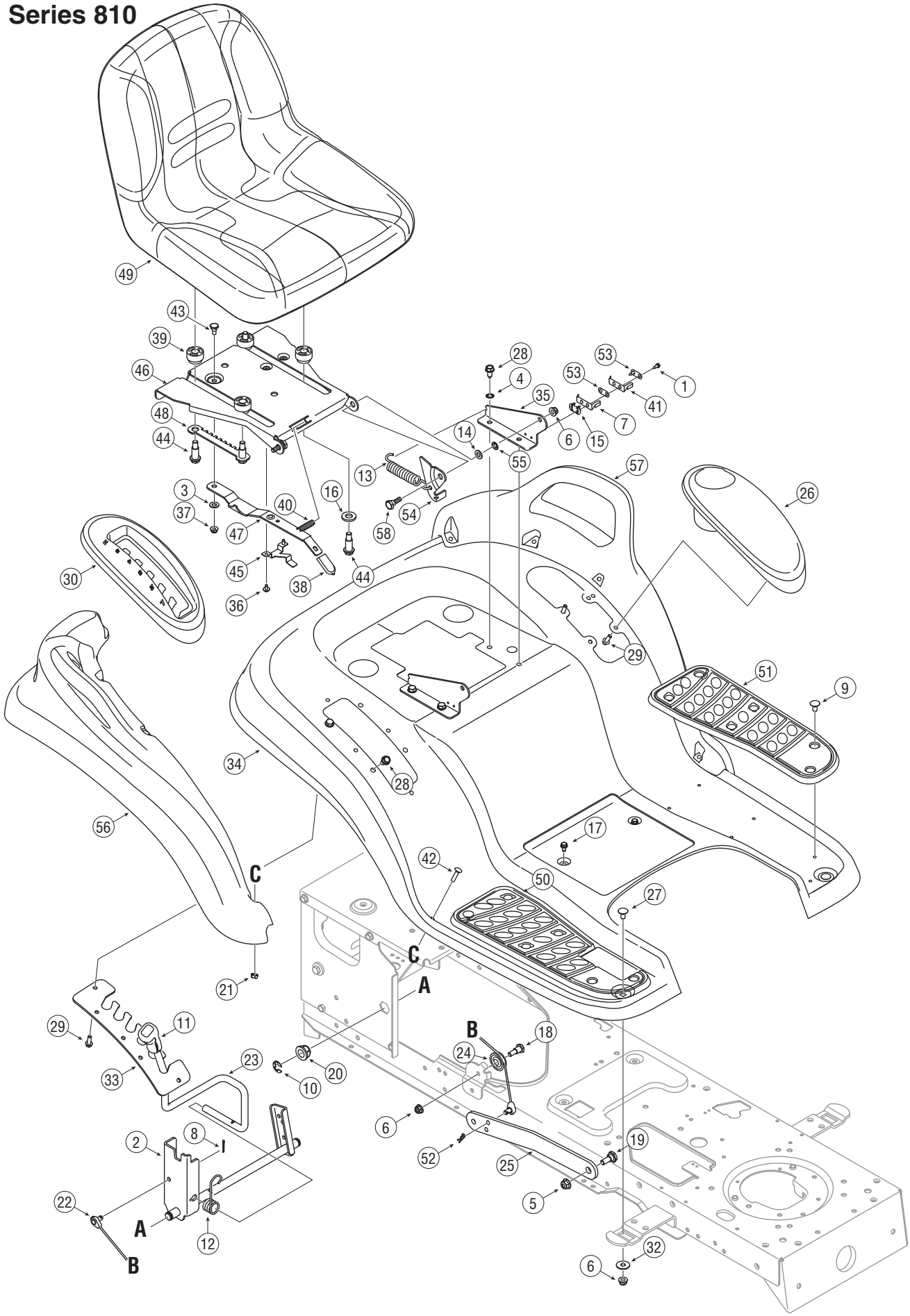
NOTE: Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.

Illustrated Parts List

MTD GENUINE FACTORY PARTS

To order replacement parts, call the Customer Service Line at 1-800-800-7310 or visit www.mtdproducts.com

Model Series 810



Illustrated Parts List

MTD GENUINE FACTORY PARTS

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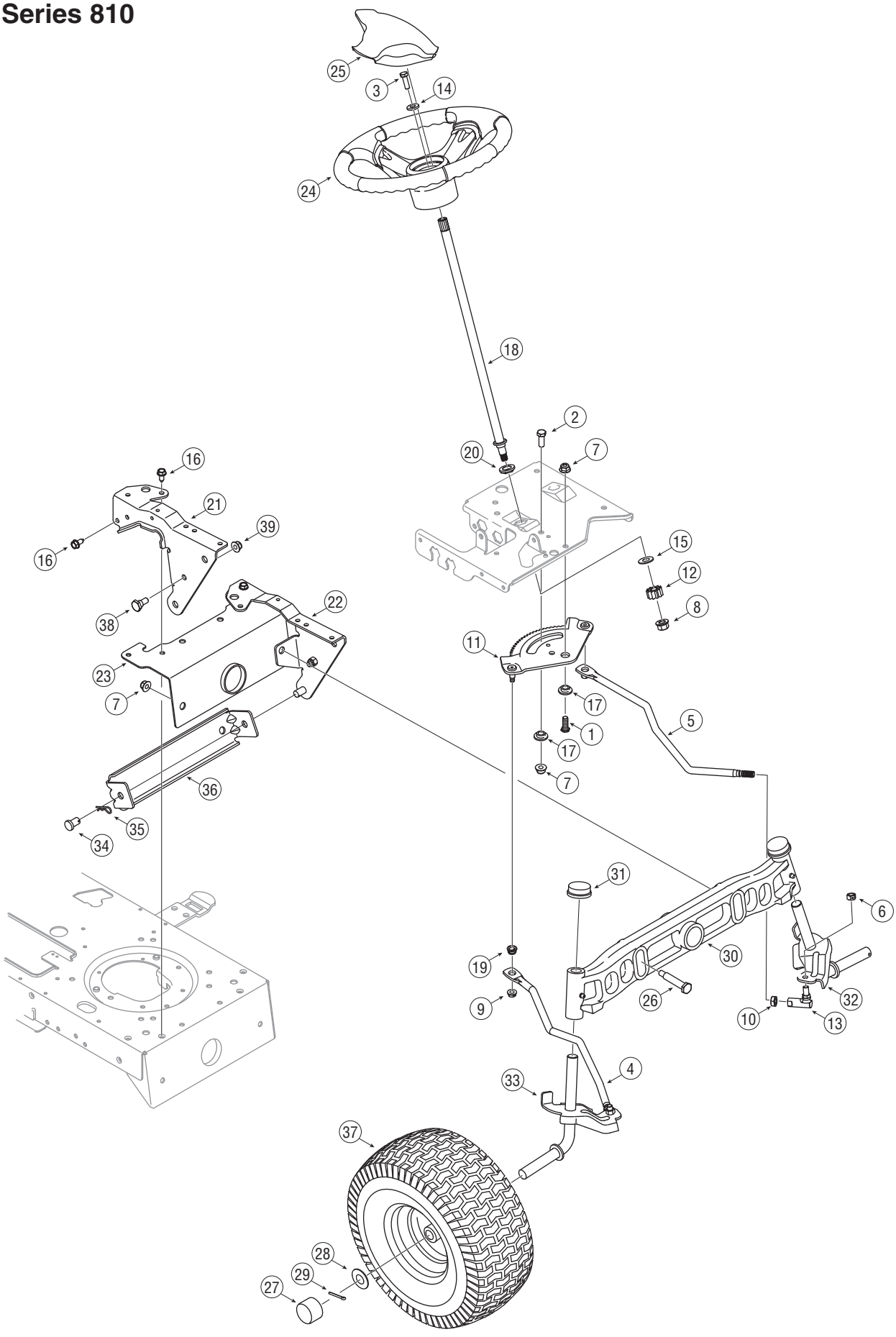
Ref. No.	Part No.	Description
1	710-0227	Screw, #8-18 x.500
2	683-04301	Lift Shaft Assembly
3	736-0204	Washer, Flat, .344 x .62 x .033
4	736-0607	Lock Washer, 5/16
5	712-04065	Flange Lock Nut, 3/8-16
6	712-04063	Flange Lock Nut, 5/16-18
7	725-1439	Inner Seat Spring Switch
8	714-0104	Hairpin Clip
9	726-3046	Foot Pad Clips
10	716-0106A	E-Ring
11	720-0311	Handle Grip
12	732-0874	Torsion Spring
13	732-1184	Extension Spring,.84 x 4.6
14	736-0242	Flat Washer
15	726-0278	Insulator Boss Plate
16	736-3019	Flat Washer,.31 x 1.062 x.134
17	710-0599	Screw, 1/4-20 x.500
18	738-0138A	Hex Cap Screw, 5/16-18 x.62
19	738-0380	Shoulder Screw, 3/8-16
20	741-0225	Hex Flange Bearing
21	712-0271	Sems Nut 1/4-20
22	746-0968	Lift Cable, 16.16
23	747-04447	Lift Handle
24	756-1154	Roller Pulley
25	783-05546	Arm Lift
26	731-1993A	Cover w/ Cup Holder
27	710-0451	Carriage Bolt, 5/16-18 x.750
28	710-0604A	Self-tapping Screw, 5/16-18 x.625
29	710-0895	Self-tapping Screw, 1/4-15 x.75

Ref. No.	Part No.	Description
30	731-1990	Lift Lever Cover
31	738-0296	Shoulder Screw,.437 x.286
32	736-3078	Flat Washer,.349 x 1.0 x.063
33	783-0677B	Lift Adjustment Bracket
34	783-04459A	Fender 4 Sty Hydro w/ Flares
35	783-1489C	Seat Mounting Bracket
36	710-1268	Screw, #10-16 x.375
37	712-04064	Flange Lock Nut, 1/4-20
38	720-0309A	Seat Adjuster Grip
39	731-04074	Spacer
40	732-0499	Compression Spring,.41 x 1.5
41	725-1303	Outer Seat Spring Switch
42	710-0932	Carriage Screw 1/4-20 x 1.00
43	738-0137A	Shoulder Screw,.340 x.285,1/4-20
44	738-0966A	Shoulder Screw,.50 x.50, 3/8-16
45	783-0611	Seat Stop
46	783-0738D	Seat Pivot Bracket
47	783-0739A	Seat Adjustment Lever
48	783-0753	Seat Adjustment Selector
49	757-04003A	High Back Seat, Black
50	735-0656	RH Foot Pad
51	735-0657	LH Foot Pad
52	714-0111	Cotter Pin
53	726-0279	Insulator Plate
54	783-0209D	Seat Lift Bracket
55	726-0201	Speed Clip
56	731-2618	RH Fender Flare
57	731-2619	LH Fender Flare

NOTE: Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.

Model Series 810



Ref. No.	Part No.	Description
1	710-04095	Hex Screw, 3/8-16, 1.00, Gr5
2	710-0514	Hex Screw, 3/8-16, 1.00, Gr5
3	710-0643	Hex Screw, 5/16-18, 1.00, Gr5
4	711-1408	Link, Drag, RH
5	711-1409A	Link, Drag, LH
6	712-0214	Nut, Hex Lock, 3/8-24
7	712-04065	Nut, Flange Lock, 3/8-16
8	712-0459	Nut, Flange Lock, 7/16-20
9	712-3004A	Nut, Flange Lock, 5/16-18, Gr5
10	712-0240	Nut, Jam, 7/16-20, Gr2
11	717-1550E	Gear, Steering, 11/90 Ratio
12	717-1554	Gear, Pinion, Steering
13	723-0448A	Ball Joint, 7/16-20, Lock
14	736-3004	Washer, Flat,.406 x.875 x.105
15	736-3084	Washer, Flat,.51 x 1.12 x.06
16	710-1260A	Screw, 5/16-18, 0.750
17	738-04154	Spacer, Shoulder,.38 x 1.00 x.31
18	738-1001A	Shaft, Steering,.625 OD x 24.25
19	741-0475	Plastic Bushing.380 ID
20	741-0656A	Hex Flange Bearing 5/8 PM
21	783-0726E	Pivot Bracket, Support RH

Ref. No.	Part No.	Description
22	783-0727D	Pivot Bracket, Support LH
23	783-0728B	Pivot Bracket, Bar
24	631-04008A	Steering Wheel, 13.25
25	731-04065A	Steering Wheel Cover
26	738-1011A	Shoulder Screw,.5 x 2.2, 3/8-16
27	731-05674	Cap
28	736-04228	Flat Washer, .781 x 1.589
29	714-04039	Cotter Pin, 5/32 x 1.25
30	719-04105	Cast Iron Pivot Bar
31	726-0341	Push Cap
32	638-04003A	LH Axle Assembly,.750
33	638-04004A	RH Axle Assembly,.750
34	711-0332	Pin, Clevis,.50 x.78
35	714-04023	Cotter Pin, Int., .080 x 1.5625
36	783-0720A	Adjustment Bracket, Front
37	634-04088A	Wheel Assembly Complete,
	734-04148	Tire Only 16 x 7.5 x 8
	634-04082	Rim Only w/ Valve Stem
38	738-0143	Screw, Shldr,.498 x.340, 3/8-16
39	712-0431	Flange Lock Nut, 3/8-16

NOTE: Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.

Illustrated Parts List

MTD GENUINE FACTORY PARTS

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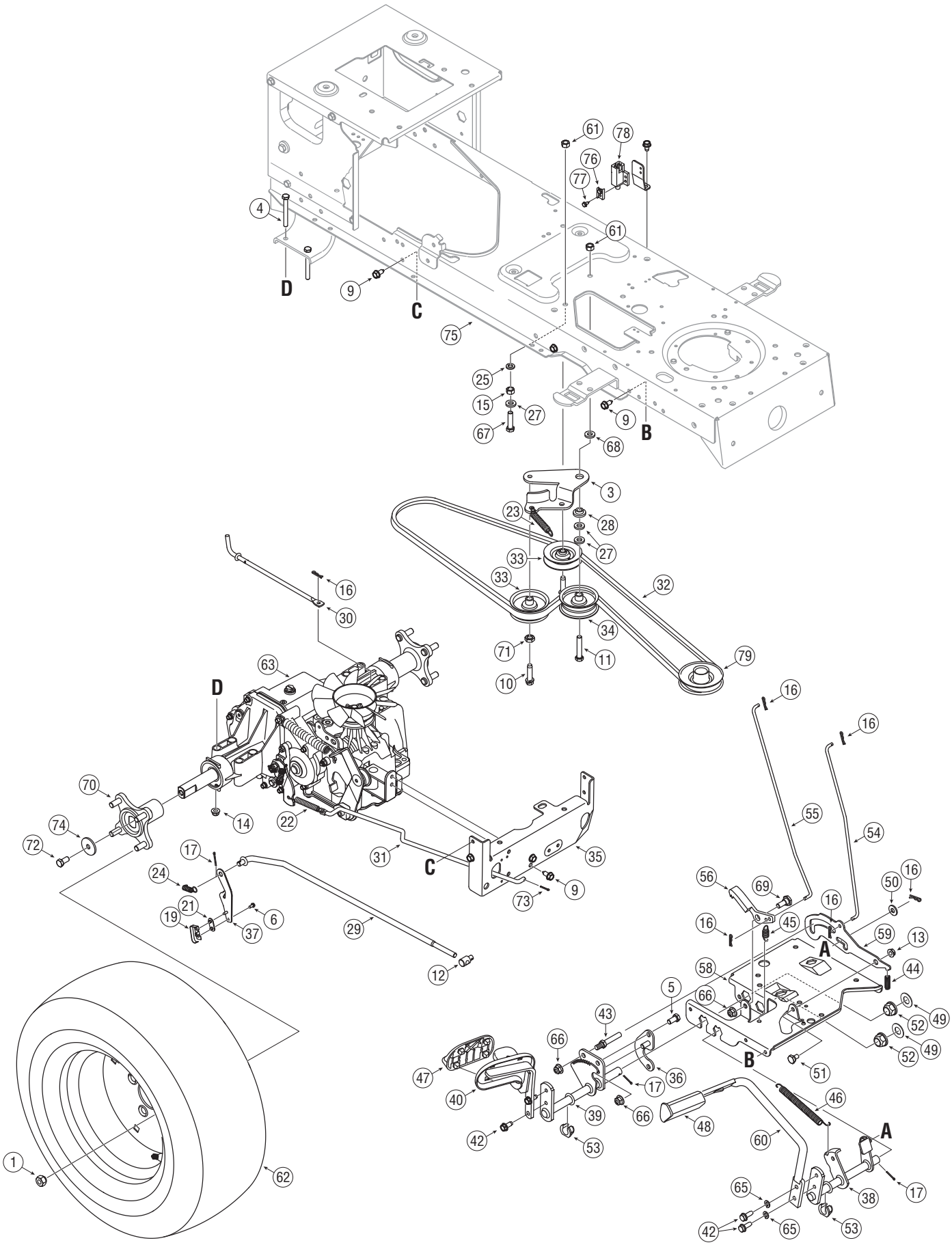
Model Series 810



Ref. No.	Part No.	Description
1	712-3050	Lug Nut, 3/4-16
2	629-0949B	Revse./Grnd. Wire Harness Adptr.
3	783-04442	Double Idler Bracket
4	710-0176	Hex Cap Screw, 5/16-18 x 2.75
5	710-0216	Hex Cap Screw, 3/8-16 x.75
6	710-0227	Screw, #8-18 x.5
7	710-1007	Hex Cap Screw, 3/8-16 x 1.5
8	710-0599	Self-tapping Screw, 1/4-20 x.50
9	710-0726	Self-tapping Screw, 5/16-12 x.75
10	710-3011	Hex Cap Screw, 3/8-16 x 2.25
12	711-0832	Ferrule, 3/8-24
13	712-3004A	Flange Lock Nut, 5/16-18
14	712-04063	Flange Lock Nut, 5/16-18
15	712-3017	Hex Nut, 3/8-16
16	714-0104	Internal Cotter Pin
17	714-0111	Cotter Pin
18	725-0157*	Cable Tie
19	725-1644	Short Spring Switch
20	726-0154*	Push-mount Cable Tie
21	726-0320	Insulator Nut Plate
22	732-0716C	Extension Spring,.59 x 4.0
23	732-04323B	Extension Spring,.770 x 3.72 Lg.
24	732-3118	Extension Spring, 3/8 x 1.44
25	736-0169	Lock Washer, 3/8
26	736-3008	Flat Washer,.344 x.750 x.120
27	736-0300	Flat Washer .406 x .875 x .059
28	738-0372B	Shoulder Spacer,.38
29	747-1119	Hydrostatic Control Rod
30	747-1121A	Hydrostatic Bypass Rod
31	747-04140	Hydrostatic Brake Rod
32	754-0349	Drive Belt
33	756-04209	V-idler Pulley, 3.06
34	756-04224	Flat Idler Pulley, 2.75
35	783-0667B	Transmission Torque Bracket
36	783-0745	Speed Control Bracket
37	783-0782	Switch Actuator Bracket
38	647-04100	Brake Control Assembly
39	647-0049A	Drive Control Assembly
40	683-0267C	Hydro Pedal Assembly
41	710-0650	Self-tapping Screw, 5/16-18 x.875
42	710-1260A	Self-tapping Screw, 5/16-18 x.75

Ref. No.	Part No.	Description
43	711-04159B	Pin, 3/8-16 x 2.43
44	732-0335	Compression Spring,.40 OD x 1.17
45	732-0955	Extension Spring,.50 OD x 1.41
46	732-0963	Extension Spring,.50 OD x 6.37
47	735-0662	Drive Pedal Pad
48	735-3049A	Brake Pedal Pad
49	736-0187	Flat Washer,.64 x 1.24 x.06
50	736-0262	Flat Washer,.385 x.870 x.092
51	738-0155	Shoulder Screw,.437 x 1.62
52	741-0225	Hex Flange Bearing
53	741-3065B	Split Hex Flange Bearing
54	747-04093A	Brake Lock Control Rod
55	747-04096	Cruise Control Rod
56	748-04039C	Cruise Latch
57	748-0415B	Spacer, 5/16 x 1.54
58	783-04612	Steering Support Bracket
59	783-0663E	Drive Lockout Bracket
60	747-04641	Brake Pedal
61	712-0431	Hex Nut, 3/8-16
62	634-0202A	Wheel Assembly, 23 x 10.5 x 12
	634-04238	Rim Only 12.0 x 7.0
	734-0255*	Air Valve
	734-04147	Tire Only 23 x 10.5 x 12 Sq. Shldr.
63	618-04329	Hydrostatic Transmission Assmbly
64	710-1611B	Self-tapping Screw, 5/16-18 x.75
65	736-0119	Lock Washer, 5/16
66	712-04065	Flange Lock Nut 3/8-16
67	710-0520	Hex Cap Screw, 3/8-16 x 1.5
68	736-0258	Flat Washer.385 x 1.00 x.135
69	738-0380	Shoulder Screw 3/8-16.50 x.27
70	618-04317	Wheel Hub Assembly
71	712-0240	Jam Nut, 7/16-20
72	710-3119	Screw, 3/8-16 x.750
73	714-0507	Cotter Pin
74	736-0227	Flat Washer,.390 x 1.500 x.134
75	683-04173B	Lower Frame Assembly
76	17962	Switch Plate
77	710-0224	Screw, #10-16
78	725-04039	Interlock Switch
79	756-0978B	Electric PTO Pulley

*Not Shown

Illustrated Parts List

MTD GENUINE FACTORY PARTS

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Illustrated Parts List

MTD GENUINE FACTORY PARTS

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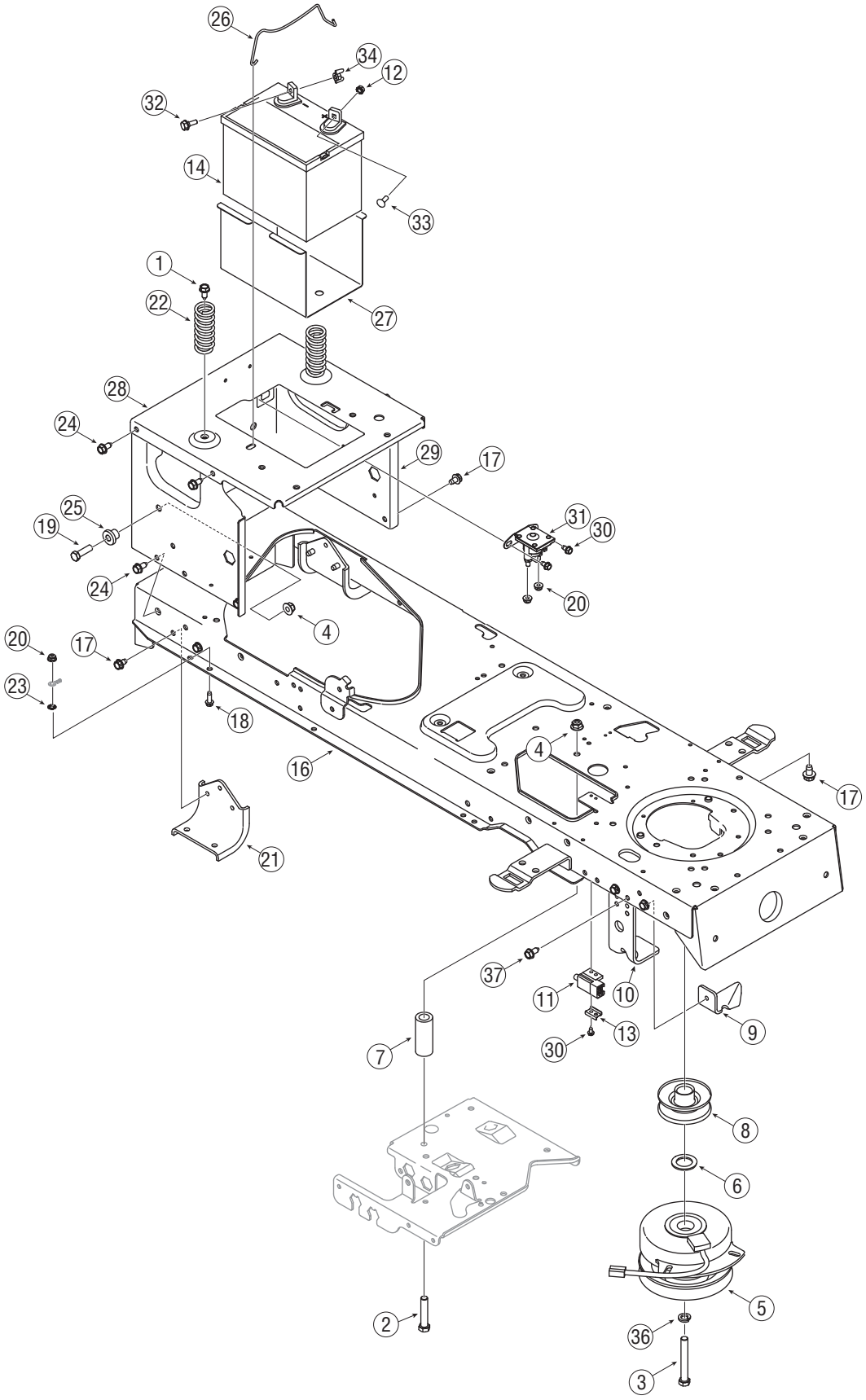
Model Series 810



Ref. No.	Part No.	Description
1	710-1260A	Screw, 5/16-18 x 0.75
2	710-3011	Screw, 3/8-16, 2.25, Gr5
3	710-04379A	Screw, 7/16-20, 3.50, Gr5, Lock
4	712-04065	Nut, Flange Lock, 3/8-16
5	717-1774B	PTO Clutch, Electric
6	736-0277	Washer, Flat, 1.031 x 1.620 x.095
7	748-0415B	Spacer,.385 ID x.635 OD x 1.54
8	756-0978A	Pulley, Engine, 3.56 Diameter
9	783-04419B	Clutch Bracket
10	783-04467	Deck Bracket, Up-Stop
11	725-04039	Switch
12	712-0271	Nut, Sems, 1/4-20
13	17962	Switch Plate
14	725-1750A	Battery, 235 CCA
15	710-0224	AB Screw, #10-16 x.500
16	683-04173B	Frame Assembly, Lower
17	710-0607	Screw, 5/16-18, 0.500
18	710-0642	Screw, 1/4-20, 0.750
19	710-3005	Screw, 3/8-16, 1.25, Gr5

Ref. No.	Part No.	Description
20	712-04064	Nut, Flange Lock, 1/4-20
21	783-0693	Axle Bracket
22	732-04035	Spring, Compress., 1.28 x 3.125
23	736-0222	Washer, Lock, 1/4, External
24	710-0604A	Screw, 5/16-18, 0.625
25	738-04058	Spacer, Shoulder,.38 x 1.0 x.70
26	747-04121A	Hold Rod, Battery
27	783-0349	Battery Tray
28	783-04329A	Seat Bracket, Frame
29	783-04811D	Frame, Upper
30	710-0599	Screw, 1/4-20, 0.50
31	725-04439	Solenoid, 12V, 100 Amp
32	738-1132	Screw, Shoulder,.250 x.15, 1/4-20
33	710-04666	Hex Flange Bolt, 1/4-20,.75
34	712-3087	Nut, Wing, 1/4-20
35	783-04612	Support Bracket, Steering
36	736-0171	Lock Washer, 7/16
37	710-0726	Screw, 5/16-12 x .750

NOTE: Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.

Illustrated Parts List

MTD GENUINE FACTORY PARTS

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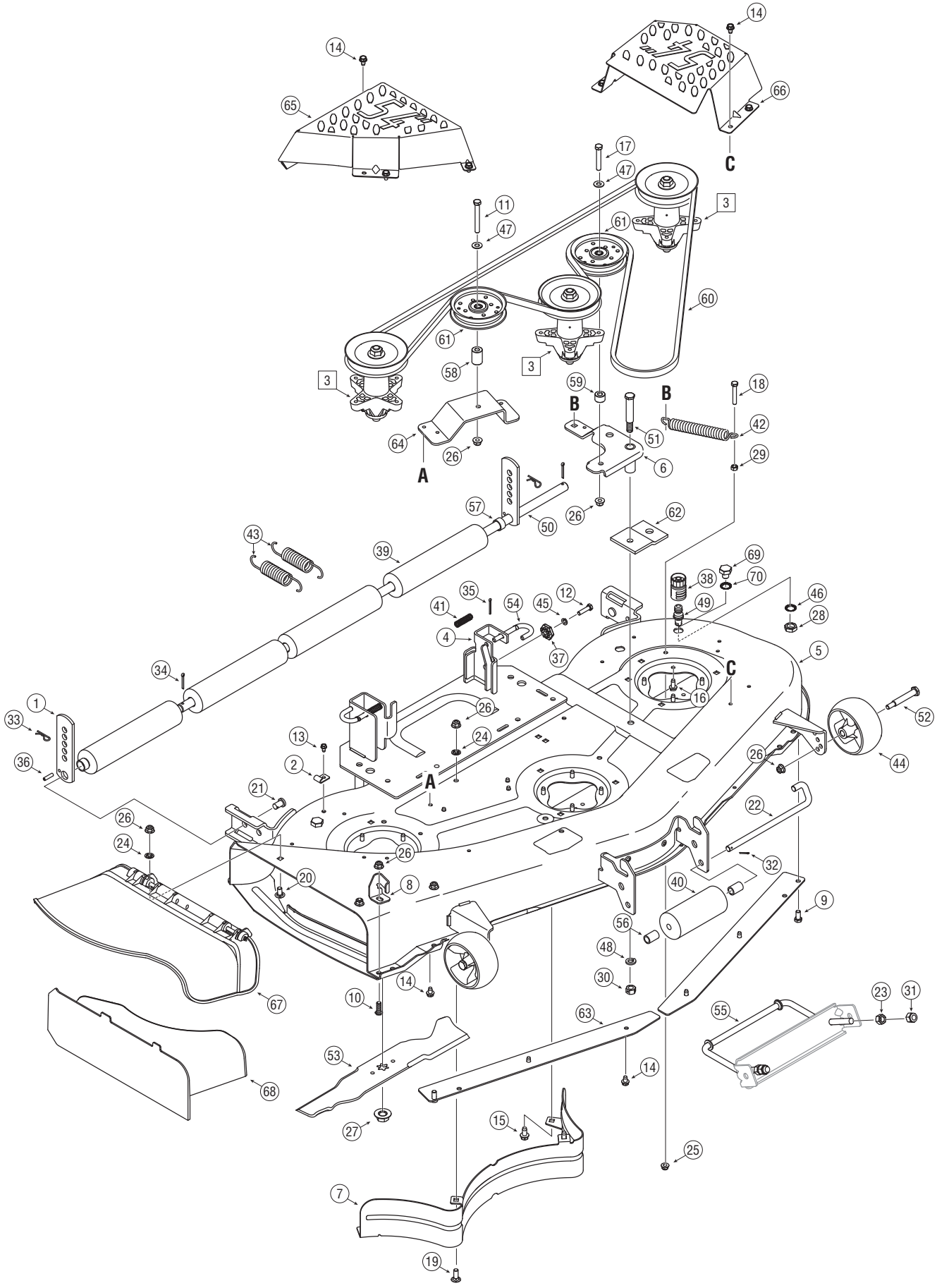
54” Electric PTO Deck



Ref. No.	Part No.	Description
1.	12650	Bracket, Adjustment, Height
2.	16606	Bracket, Hook, Retainer
3.	618-0671B	Spindle Assembly, Pulley
4.	683-0254B	Bracket Asbly, Deck Hanger LH
5.	683-04113A	Deck Asmbly., 54" SD GT
6.	683-0459	Idler Assembly, 54" Deck
7.	703-2093	RR Inner Baffle
8.	703-3279	Deflector Chute Stop
9.	710-0216	Hex Screw 3/8-16 x 0.75
10.	710-04095	Hex Screw 3/8-16 x 1.0
11.	710-0521	Screw, 3/8-16 x 3.00
12.	710-0528	Hex Screw, 5/16-18 x 1.25
13.	710-0599	Screw, 1/4-20 x.500
14.	710-0607	Screw, 5/16-18 x 0.500
15.	710-0623	Screw, 3/8-16 x.750
16.	710-1260A	LD Screw 5/16-18 x 0.75
17.	710-3011	Hex Screw, 3/8-16 x 2.25
18.	710-3103	Hex Screw, 5/16-18 x 2.00
19.	710-3168	Bolt, Carriage, 3/8-16 x 1.0
20.	710-3178	Carriage Bolt 3/8-16 x.75
21.	711-0332	Pin, Clevis,.50 Dia x.78
22.	711-1737	Pin, Roller,.5" Dia x 10.06.
23.	712-0206	Hex Nut, 1/2-13
24.	712-0229	Push Nut Retainer
25.	712-04063	Nut, Flange Lock, 5/16-18
26.	712-04065	Nut, Lock, Flange, 3/8-16
27.	712-0417A	Nut, Hex Flange, 5/8-18
28.	712-0641	Hex Nut M16
29.	712-3010	Nut, Hex, 5/16-18, Gr5
30.	712-3022	Nut, Hex Lock, 1/2-13
31.	712-3083	Hex Lock Nut, 1/2-13
32.	714-0111	Pin, Cotter, 3/32 x 1.00
33.	714-0145	Pin, Click,.092 x 1.64
34.	714-0162	Cotter Pin
35.	714-0470	Pin, Cotter, 1/8 x 1.25

Ref. No.	Part No.	Description
36.	715-0108	Pin, Spring 1/4 Dia x 1.00
37.	717-04074	Adjustment, Deck, Gear
38.	721-04041	Water Nozzle Adaptor
39.	731-0335	Roller, Deck
40.	731-3005	Front Roller
41.	732-0306A	Spring, Compression
42.	732-0459C	Spring, Ext., .94 Dia. x 6.74
43.	732-0934	Spring, Ext., 1.15 Dia. X 5.99
44.	734-04155	Deck Wheel, 5" Dia.
45.	736-0119	Lock Washer
46.	736-0225	Lock Washer, 5/8"
47.	736-0300	Washer, Flat.406 x.875 x.059
48.	736-0921	Lock Washer
49.	737-04003C	Deck Wash Water Nozzle
50.	738-0295	Shaft,.750 x.47.12
51.	738-1229A	Shoulder Screw
52.	738-3056	Shoulder Screw
53.	742-0677A	Blade, 18.50"
54.	747-1116	Deck Rels. Hndl. Rod,.375 Dia
55.	747-1324	Rod, Deck Adjust
56.	750-0151	Spacer.550 ID x.755 OD x 1.1
57.	750-0212	Spacer,.82 ID x 1.00 OD x.53
58.	750-04597	Spacer,.380 x.900 x 1.313
59.	750-0933	Spacer,.385 ID x.88 x.64
60.	754-0642	Belt, V-Type, B Section
61.	756-04129	Pulley, Idler, 4.25 Dia.
62.	783-04013A	Bracket, Stabilizing
63.	783-04690A	Deck Skirt
64.	783-04726	Bracket, Idler
65.	783-1470A	Cover, Spindle RH
66.	783-1471	Cover, Spindle LH
67.	631-04070A	Chute Assembly
68.	731-04651	Mulch Plug
69.	738-04146	Plug, Bolt, M16 x 1.5
70.	736-0187	Washer, Flat, .64 x 1.24 x .06

NOTE: Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.

Illustrated Parts List

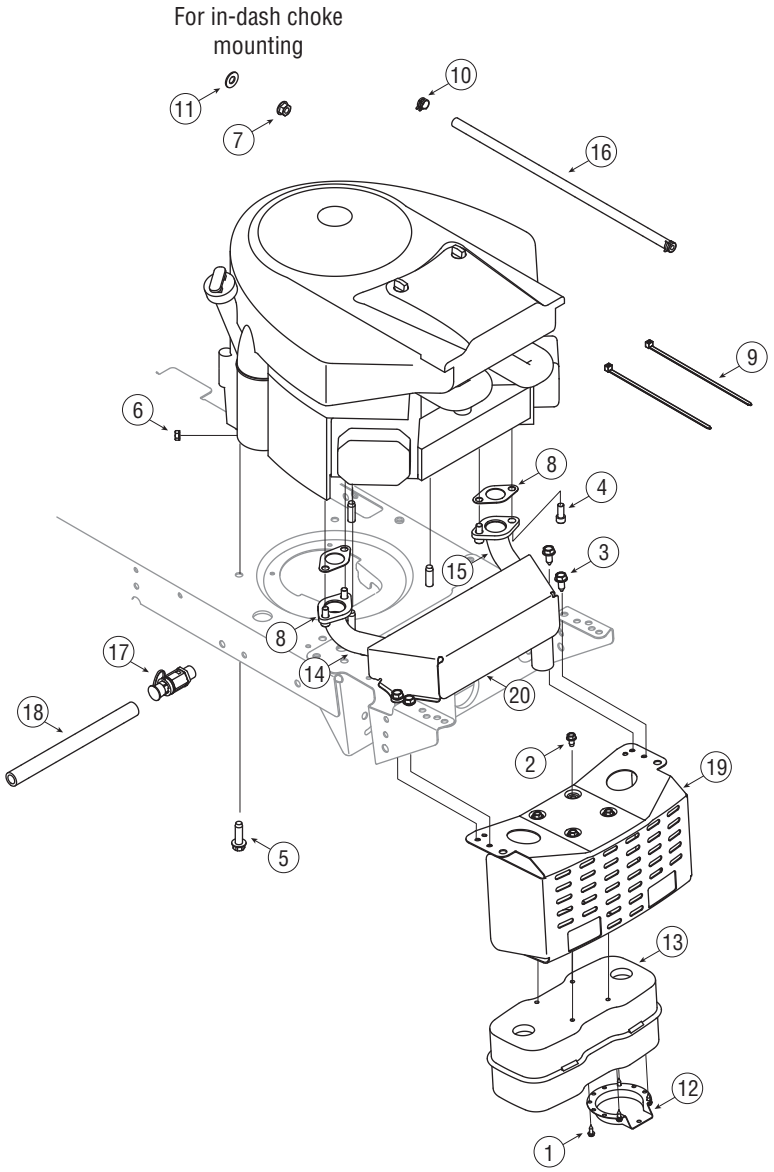
MTD GENUINE FACTORY PARTS

To order replacement parts, call the Customer Service Line at 1-800-800-7310 or visit www.mtdproducts.com

IMPORTANT

For a proper working machine, use Factory Approved Parts.
V-belts are designed to engage and disengage safely. A substitute (non OEM) V-belt can be dangerous by not disengaging completely.

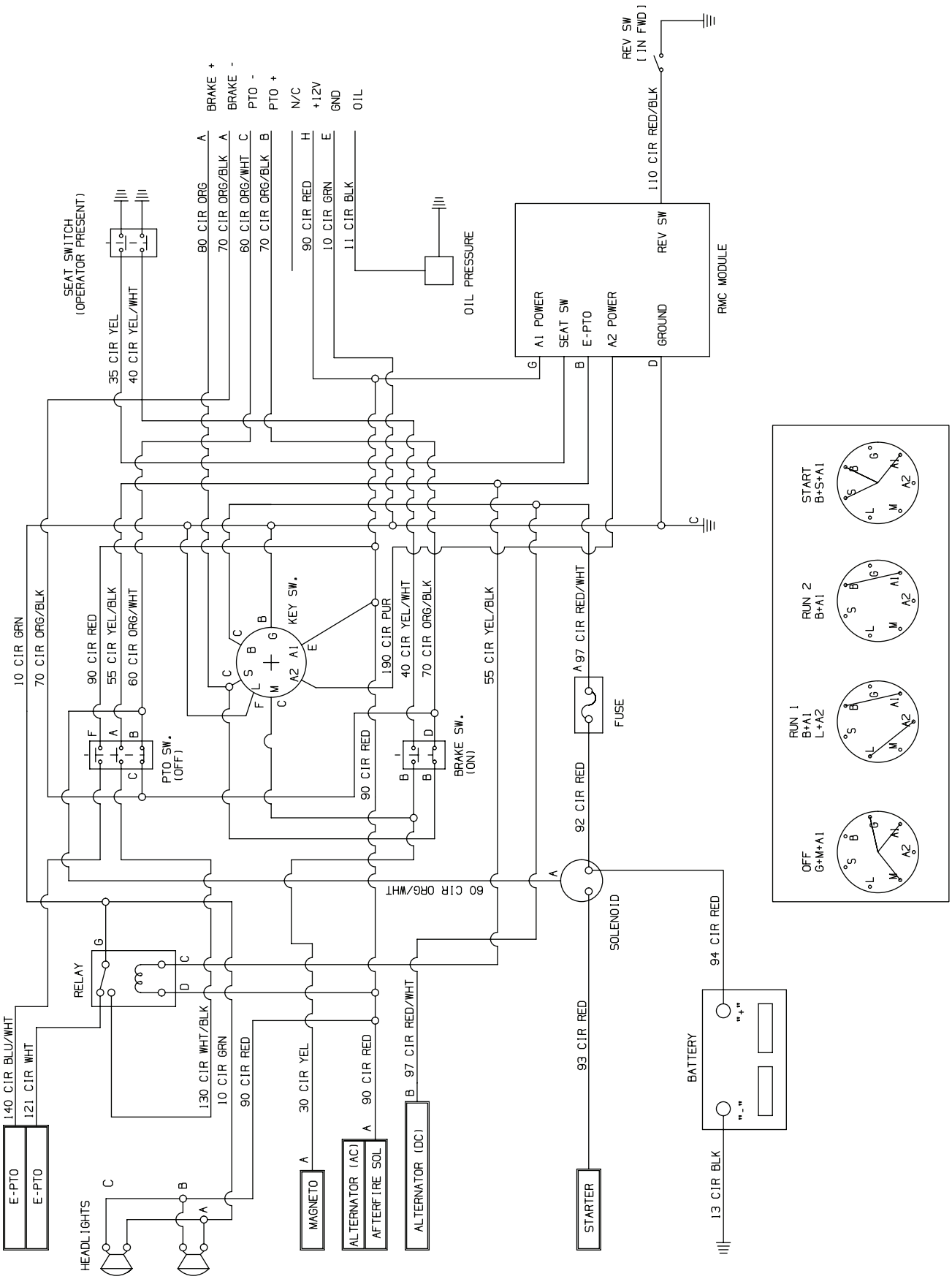
Briggs & Stratton Twin Cylinder Engine



Ref. No.	Part No.	Description
1	710-0227	AB Screw #8-18 x 0.5
2	710-0599	TT Screw 1/4-20 x 0.5
3	710-0726	AB Screw 5/16-12 x 0.5
4	710-1314A	Screw, 5/16-18 x .750
5	710-1315	TT Screw 3/8-16 x 1.25
6	712-0271	Sems Nut, 1/4-20
7	712-3005	Flange Lock Nut, 3/8-16
8	721-0460	Exhaust Gasket
9	725-0157	Cable Tie
10	726-0205	Hose Clamp

Ref. No.	Part No.	Description
11	736-0300	Flat Washer, .406 x .875 x .059
12	751-0564B	Muffler Deflector
13	751-0616B	Dual Inlet Muffler
14	751-0650B	RH Exhaust Pipe
15	751-0651B	LH Exhaust Pipe
16	751-10349	Fuel Line Hose
17	751-10517	Oil Drain Valve
18	751-3141	Oil Drain Extension Hose
19	783-0615D	Muffler Bracket
20	783-0625C	Heat Shield

NOTE: Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.


SEAT SWITCH
(OPERATOR PRESENT)
35 CIR YEL
40 CIR YEL/WHT
80 CIR ORG
70 CIR ORG/BLK
60 CIR ORG/WHT
70 CIR ORG/BLK
90 CIR RED
10 CIR GRN
11 CIR BLK
BRAKE +
BRAKE -
PTO -
PTO +
N/C
+12V
GND
OIL
OIL PRESSURE
REV SW
[IN FWD]
110 CIR RED/BLK
A1 POWER
SEAT SW
E-PTO
A2 POWER
GROUND
REV SW
RMC MODULE
10 CIR GRN
70 CIR ORG/BLK
90 CIR RED
55 CIR YEL/BLK
60 CIR ORG/WHT
PTO SW.
(OFF)
KEY SW.
190 CIR PUR
40 CIR YEL/WHT
70 CIR ORG/BLK
55 CIR YEL/BLK
90 CIR RED
BRAKE SW.
(ON)
97 CIR RED/WHT
FUSE
92 CIR RED
60 CIR ORG/WHT
SOLENOID
94 CIR RED
93 CIR RED
BATTERY
"-"
"+"
13 CIR BLK
STARTER
ALTERNATOR (DC)
97 CIR RED/WHT
ALTERNATOR (AC)
AFTERFIRE SOL
90 CIR RED
MAGNETO
30 CIR YEL
RELAY
140 CIR BLU/WHT
121 CIR WHT
130 CIR WHT/BLK
10 CIR GRN
90 CIR RED
E-PTO
E-PTO
HEADLIGHTS
OFF
G+M+A1
RUN 1
B+A1
L+A2
RUN 2
B+A1
START
B+S+A1